

★SIEI X15 97-088314/09 ★DE 19526733-A1
Patterned solar cell for building fascia or roof panel - has anti-reflection coating provided on front side of semiconductor body selectively removed to provide required pattern
SIEMENS SOLAR GMBH I 95.07.21 95DE-1026733
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The solar cell has a flat semiconductor body (1) incorporating a diode structure, having current conducting contacts (2) on the rear side and an anti-reflection coating (3) on the front side. The anti-reflection coating is fully or partially removed in selected areas (6,7) to provide a required visual pattern.

Pref. the pattern is formed by removing the anti-reflection coating to different depths, via an etching process, to provide optically readable, 2-dimensionable, alphanumeric characters.

ADVANTAGE - Allows solar cell to be provided with required decorative appearance, e.g. for matching adjacent fascia or roof panels without impaired function. (5pp
Dwg.No.4/5)

N97-072608

X15-A02B

